VASCULAR IMAGES

A rare type of supra-aortic branches variation

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The standard anatomy of the aortic arch includes three branches arising from its superior border: the innominate artery first, followed by the left common carotid artery (CCA), and the left subclavian artery. In the Karacan et al[1] study of aortic arch branching patterns, this type of branching pattern was found in ~79.2% of individuals, and 20.8% had variations, which were classified into seven types.

Recently, another unusual aortic arch branching pattern was detected accidentally in our vascular institution. Its sequence, arising from the arch of the aorta, was the innominate artery, which incorporated the left CCA and the left subclavian artery, right CCA, and the right subclavian artery (Cover). The patient was a 66-year-old man with the chief complaint of dizziness for >2 years. Physical examination showed a reduced pulse in the right arm. The computed tomography angiography not only revealed the variation of the supra-aortic arteries but also confirmed the ostial stenosis of the right subclavian artery. The angiogram showed the variation of the supra-aortic branching pattern (*A*), and a balloon-expandable stent was used to solve the ostial lesion in the right subclavian artery.

REFERENCE

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